

**System and Method for Processor Thread  
Acting as a System Service Processor**

**ABSTRACT**

A system and method for a processor thread acting as a  
5 system service provider is presented. A computer system  
boots up and initiates a service thread. The service  
thread is responsible for service related tasks, such as  
ECC checks and hardware log error checks. The service  
provider invokes a second thread which is used as an  
10 operational thread. The operational thread loads an  
operating system, a kernel, and runs various applications.  
While the operational thread executes, the service thread  
monitors the operational thread for proper functionality as  
well as monitoring service events. When the service thread  
15 detects a problem with either one of the service events or  
the operational thread, the service thread may choose to  
store operational data corresponding to the operational  
thread and terminates the operational thread.